



PRODUCT GUIDE
2018 / 2019



Let the new season begin!

For the best ride you need the best gear. Experience high performance with Levitaz, and find out how a passion for innovation and our technical know-how in the foil industry combine to produce superior equipment – designed to enable riders to step up their game in any conditions.

Fly over water

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KITEFOILS

// FOIL TECHNOLOGY

The shape of the foil is the heart and soul of the riding experience. Even the smallest variations in wing design and size, profile sections, laminate construction or surface finish can have the most dramatic effect on its performance. At Levitaz, we believe that the secret to creating the best foils is to precisely design and craft these key elements. With over 25 years of experience in manufacturing composite materials, we have learned how to get it exactly right.

FIVE REASONS TO FLY LEVITAZ FOILS

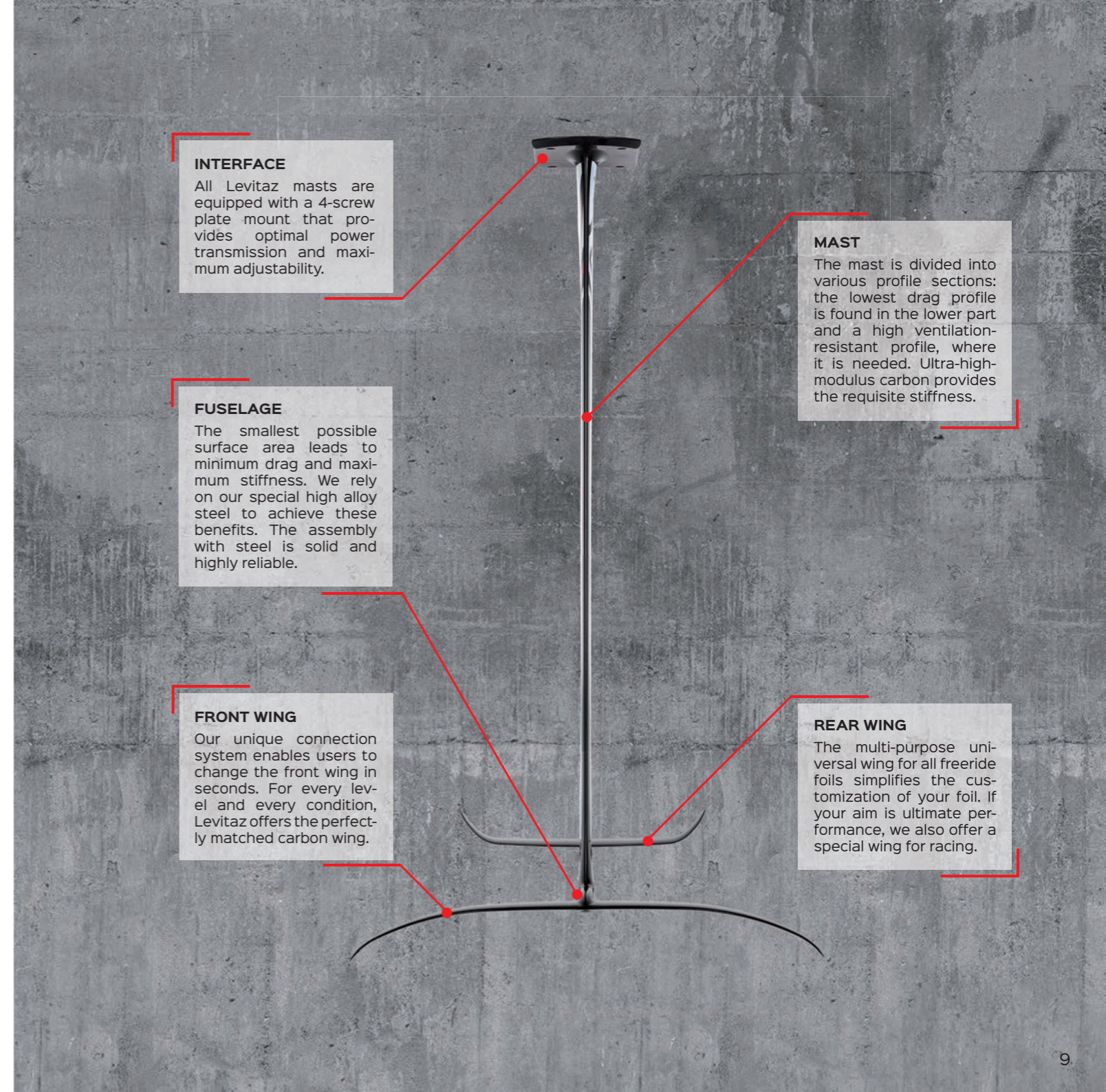
REASON // ONE

PERFORMANCE

// Profile sections and surface transitions are optimized using CFD simulations to obtain the highest possible stiffness.

// We use the best construction materials available on the market. Our ultra-high-modulus fibers offer at least three times the stiffness of standard fibers.

// Levitaz brings the quality requirements and mindset of the race world series directly to its serial production process.



INTERFACE

All Levitaz masts are equipped with a 4-screw plate mount that provides optimal power transmission and maximum adjustability.

FUSELAGE

The smallest possible surface area leads to minimum drag and maximum stiffness. We rely on our special high alloy steel to achieve these benefits. The assembly with steel is solid and highly reliable.

FRONT WING

Our unique connection system enables users to change the front wing in seconds. For every level and every condition, Levitaz offers the perfectly matched carbon wing.

MAST

The mast is divided into various profile sections: the lowest drag profile is found in the lower part and a high ventilation-resistant profile, where it is needed. Ultra-high-modulus carbon provides the requisite stiffness.

REAR WING

The multi-purpose universal wing for all freeride foils simplifies the customization of your foil. If your aim is ultimate performance, we also offer a special wing for racing.

REASON // TWO

DESIGN

// Force flux optimized fairings result in a nearly perfect hydrodynamic shape.

// The precise manufacturing technique demonstrates the best possible form closure.

// Levitaz foils are designed using meticulously finished materials.



REASON // THREE

EVOLUTION

// Levitaz foils grow with your skills and are adaptable to every condition. No matter which conditions you are facing, be prepared and enjoy your perfect day on the water.

// The great benefits of our foils are that all parts are compatible with each other.

// The unique connection system is simple, strong and stiff, and allows for a quick change of parts.

REASON // FOUR

QUALITY & DURABILITY

// Our materials are characterized by the perfect combination of durability and consistent high quality.

// The use of non-corrosive materials such as high-value carbon and seawater-resistant stainless steel ensures longevity and offers unparalleled possibilities.

// With automotive-industry certifications, our production processes have set a new benchmark in the watersports industry for high-quality products.



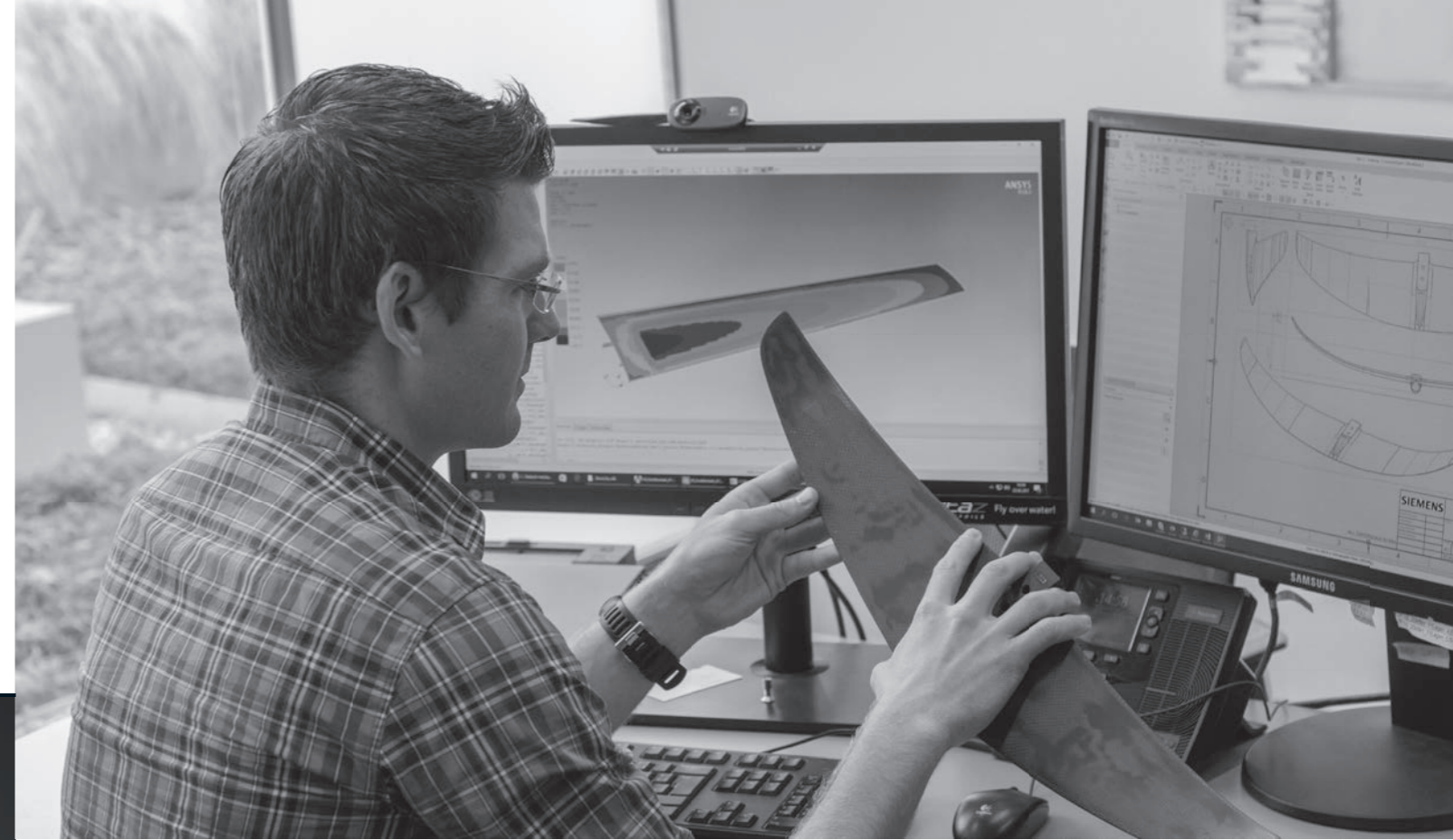
Unique connection system:
Fast & easy assembly
Two screws to change the wing

REASON // FIVE

EXPERIENCE

Levitaz is the combination of...

- // More than 25 years of manufacturing experience with advanced composite materials
- // Production processes and an integrated quality management system based on automotive standards
- // Many years of design experience with kitefoils in the world series and freeride sector
- // 100 % own foil development and production
- // Made in Austria - Europe



The company behind the Levitaz brand ...

Geislinger GmbH equips the fastest ferries, the largest container ships, the biggest mining trucks and the largest wind turbines. Innovation and exceeding the limits by producing products of the highest quality drives the mechanical engineering company. The elements of water and wind are one field of application of products by Geislinger. Not only the fastest gas-powered high-speed ferry relies on a shaft by Geislinger, but also the largest wind turbines in the world are equipped with couplings by Geislinger.

With more than 25 years' experience in developing fiber composite couplings and shafts, and with extensive experience in carbon fiber technology, Geislinger GmbH turned out to be the perfect partner for developing Levitaz Kitefoils.

While the Levitaz development and innovation team is located at the headquarters in Salzburg, Levitaz Kitefoils are produced exclusively at the state-of-the-art Geislinger production facility for carbon fiber composite products, located in Bad St. Leonhard, Austria. Geislinger is proud to guarantee that Levitaz Kitefoils are produced 100% at its own production site in Austria. The intense collaboration and exchange between the Levitaz R&D department, the production team, and the team riders gives Levitaz a unique competitive advantage.



// HYBRID TECHNOLOGY

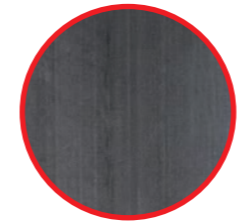


+

Combines the robustness and easy handling of an aluminum mast with the performance of a full carbon mast.

YOUR CHOICE

YOUR LENGTH



CARBON FIBER

The low-drag carbon fiber design offers the best performance. The integrated fibers have been adapted especially to the direction of loading.

Varying angle-oriented carbon weaves ensure maximum stiffness in bending and torsion to provide riders with strong support and a feeling of tight control.

ANODIZED ALUMINUM



The interfaces are made of high-strength anodized aluminum. The thin-wall design reduces weight and provides maximum durability.

To handle a flux of forces, it is designed with a plate connection. Injected adhesive further ensures a durable, high-performance connection. Riders can enjoy the mast without worrying about connections loosening or water getting into the product.



LZ INTERFACE

The lower section is equipped with the proven and reliable Levitaz connection system, which is simple, strong and stiff, and allows for a quick change of parts.

As a result, the mast works with all existing Levitaz parts, and makes for a great way to expand your possibilities.

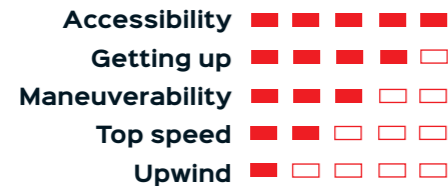
// FOIL VARIETY

PRE-CONFIGURED FOILS

The innovative design enables a combination of various front and rear wings, as well as different fuselage and mast lengths. Therefore the foil can be adapted to every condition, rider level or location.

We offer riders four different pre-configured foil setups, which are perfectly matched to the requirements of the application and user.

Our performance charts show our areas of focus for the setup configurations:



Accessibility

describes the necessary foiling ability or rather how challenging the foil is to fly. A higher rating indicates the model is easier to access.

Getting up

describes the speed level when the foil starts to fly. The higher the riding speed, the more lift a foil creates. Higher scores mean the model starts hovering at lower speeds.

Maneuverability

shows how agile the foil responds. The higher the rating, the better the turning track stability.

Top speed

is influenced by the foil's shape and its angle of attack. A high score stands for higher speeds.

Upwind

is a decisive factor. Foiling allows riders to travel at unbelievable angles to the wind. There are differences in the upwind performance due to volume, hydrodynamic shape and the resulting drag. A high rating indicates the foil's upwind ability.

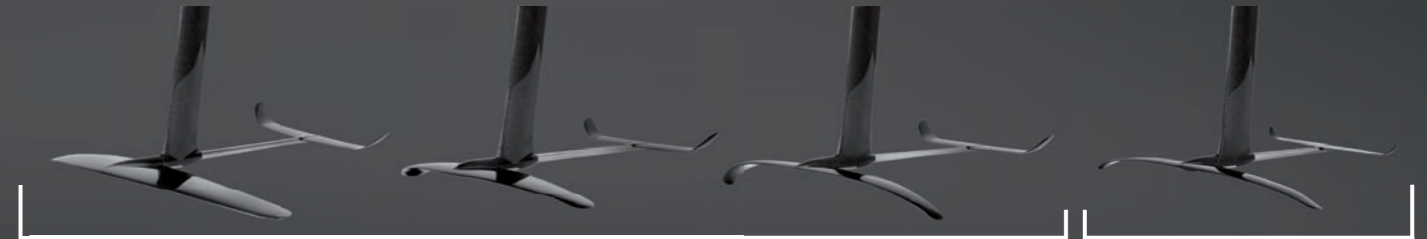
// CHOOSE YOUR FAVORITE FOIL MODEL

CRUIZER

ELEMENT

ASPECT

BIONIC



FREERIDE

RACE

// CUSTOMIZE YOUR FOIL & CHOOSE YOUR FAVORITE ① MAST



Depending on your riding level or style, preferred location or conditions, you can personalize your foil with the suitable mast, front wing, fuselage and rear wing.

You'll find the perfect setup!



YOU ARE INDIVIDUAL
AND SO IS YOUR FOIL.

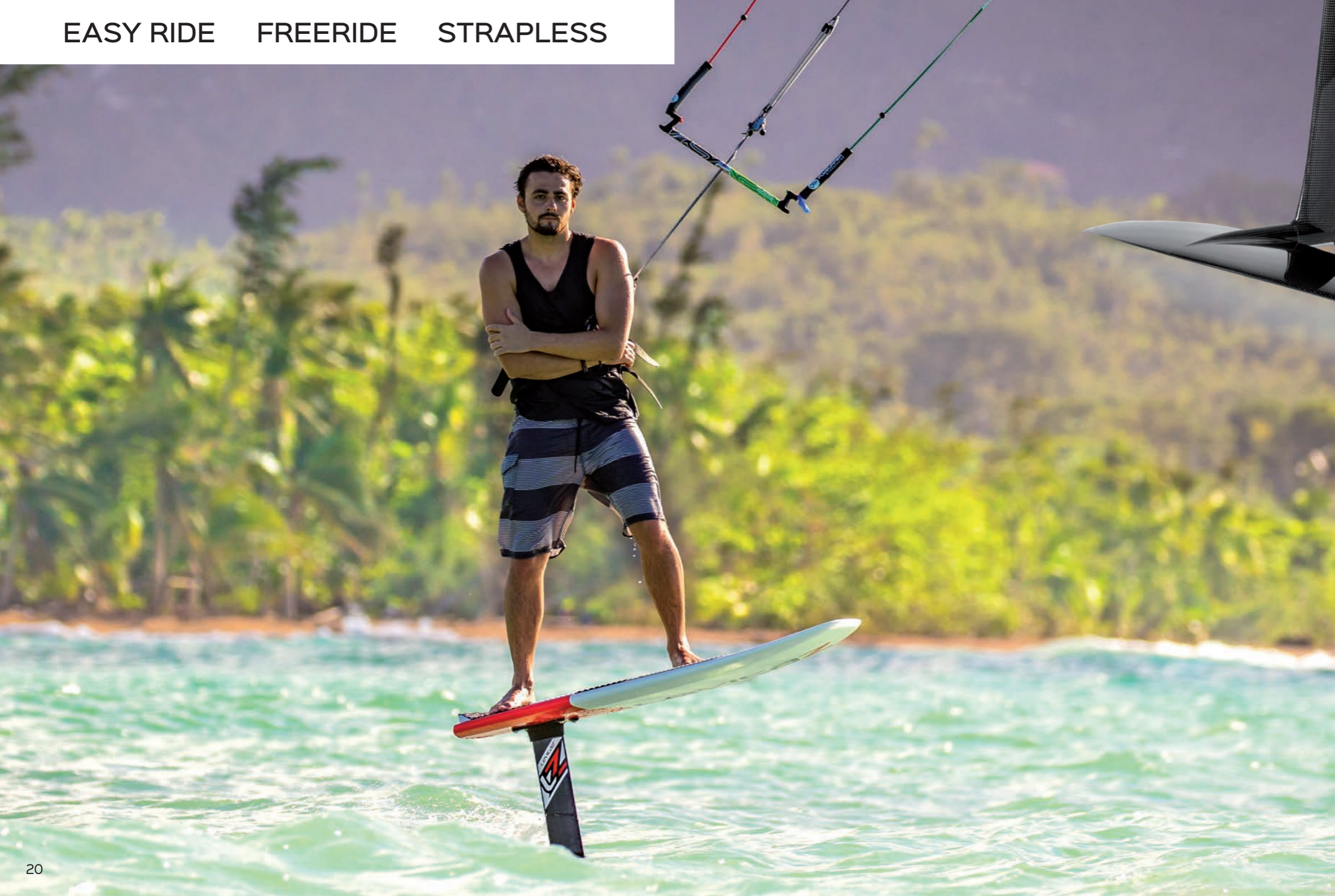
 FREE RIDE

EASY RIDE

FREERIDE

STRAPLESS

- // Low take-off speeds
- // Wide lift surface
- // Huge speed range
- // Great track stability



THE CRUIZER

The Levitaz Cruiser is the perfect choice for your first steps on a kitefoil. Requiring just a low take-off speed, the wide lift surface of the front wing makes it possible to start hovering early. Thanks to its modern hydrodynamic shape, the Cruiser shows characteristics of a high performance foil. Riders who love to cruise, first-time fliers, and strapless riders, truly get their money's worth.

- Accessibility
- Getting up
- Maneuverability
- Top speed
- Upwind

- // High maneuverability
- // Great all-rounder for freeride and freestyle performance



THE ELEMENT

The Levitaz Element is the classic freeride foil. High maneuverability is one of its key features. Even the smallest turns can be maneuvered without any loss of speed. Due to the low drag of the foil, the Levitaz Element provides astonishing upwind capabilities. The perfect balance between accessibility, stability and maneuverability makes this versatile model ideal for intermediate foilers.

- Accessibility
- Getting up
- Maneuverability
- Top speed
- Upwind





- // Speed-oriented for optimal control at high speeds
- // Excellent upwind performance



THE ASPECT

The Levitaz Aspect is the freeracer in the Levitaz foil collection. For everyone who wants to get into racing or loves long distance sessions, the Aspect offers the performance to match. The high aspect ratio front wing lowers the water resistance to reach top speeds. And great control at high speeds is one of its strengths. With its unique features, the Aspect also provides amazing jumping capabilities. Advanced foilers will love the sporty performance of our freerace foil.

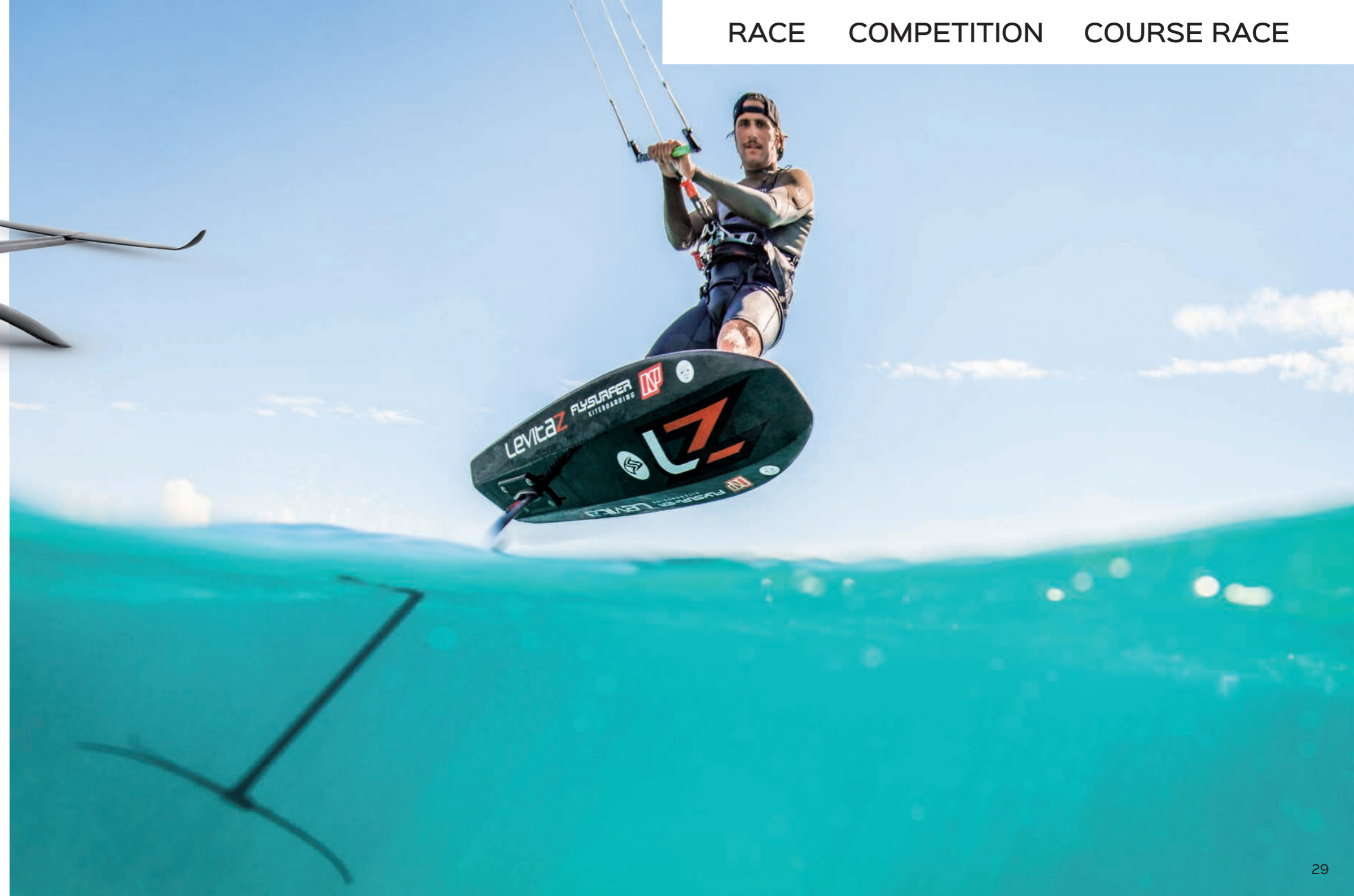
- Accessibility** ■ ■ ■ □ □
- Getting up** ■ ■ □ □ □
- Maneuverability** ■ ■ ■ □ □
- Top speed** ■ ■ ■ ■ □
- Upwind** ■ ■ ■ ■ □



THE RUSH OF
ADRENALINE.

+ RACE

- // Combines agility and control in any condition
- // Enables top speeds
- // Perfect balance between upwind and downwind performance





THE BIONIC

The Levitaz Bionic is the ultimate racing machine. As proven in the world series, the Bionic is one of the most used foils by the world's top riders. With its radical design, the Levitaz Bionic provides the lowest drag and consequently the most efficient upwind performance and highest speeds, expanding your range of possibilities to new spheres.

- Accessibility
- Getting up
- Maneuverability
- Top speed
- Upwind

OVERVIEW

Product Name	SKU	Mast Configuration		Interface	
		Technology	Length		
CRUIZER 	LEV400200	Hybrid	60 cm	Plate	
	LEV400210	Hybrid	80 cm	Plate	
	LEV400110	Full Carbon	96 cm	Plate	
	LEV400100	Full Carbon	96 cm	Deep tuttle	
<p>Accessibility <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/></p> <p>Getting up <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/></p> <p>Maneuverability <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/></p> <p>Top speed <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>Upwind <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>					
ELEMENT 	LEV200210	Hybrid	80 cm	Plate	
	LEV200110	Full Carbon	96 cm	Plate	
	LEV200100	Full Carbon	96 cm	Deep tuttle	
<p>Accessibility <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/></p> <p>Getting up <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>Maneuverability <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/></p> <p>Top speed <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>Upwind <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>					

KITEFOILS

Product Name	SKU	MAST Configuration		Interface
		Technology	Length	
ASPECT 	LEV100210	Hybrid	80 cm	Plate
	LEV100110	Full Carbon	96 cm	Plate
	LEV100100	Full Carbon	96 cm	Deep tuttle
	LEV100120	Full Carbon	110 cm	Plate
<p>Accessibility <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>Getting up <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>Maneuverability <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>Top speed <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/></p> <p>Upwind <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/></p>				
BIONIC 	LEV300110	Full Carbon	96 cm	Plate
	LEV300100	Full Carbon	80 cm	Deep tuttle
	LEV300120	Full Carbon	110 cm	Plate
	LEV300130	Prepreg	110 cm	Plate
	LEV300140	Prepreg/R2R	110 cm	Plate
<p>Accessibility <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>Getting up <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>Maneuverability <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/></p> <p>Top speed <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/></p> <p>Upwind <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/></p>				










OVERVIEW

FRONT WINGS



REAR WINGS

WINGS

Product Name	SKU	Range of Application	Characteristics	Wing Area	Span	Root Chord	Aspect Ratio
 CRUIZER	G435792	Easy Ride Freeride Strapless	Low take-off speed Wide lift surface Highest stability	989 cm ²	632 mm	190 mm	4.2
 ELEMENT	G429376	Freestyle Freeride All-round	High maneuverability	679 cm ²	501 mm	163 mm	3.9
 ASPECT	G429188	Freeride Big Air Freerace	Speed oriented Excellent upwind performance	578 cm ²	598 mm	118 mm	7
 ASPECT HW	G431773	Freerace Big Air Race	Strong wind Overpowered conditions	385 cm ²	581 mm	94 mm	10
 BIONIC	G437588 [G435986]	Race Course race	Course Race balanced [also available with R2R Finish]	506 cm ²	641 mm	114 mm	8.5

Product Name	SKU	Recommended Combinations	Characteristics	Wing Area	Span	Root Chord	Aspect Ratio
 FREERIDE	G429187	Cruizer Element Aspect Aspect HW Freeride Fuselage	Great stability Versatile usage for all Freeride foils	239 cm ²	379 mm	70 mm	7
 BIONIC	G438213 [G440537]	Aspect Aspect HW Bionic Bionic Fuselage	Course Race balanced [also available with R2R Finish]	190 cm ²	380 mm	65 mm	8.5

FUSELAGES







Product Name	SKU	Recommended Front wing	Recommended Rear wing	Length	Characteristics
 FREERIDE	G429184	Cruizer Element Aspect Aspect HW	Freeride	65 cm	Great pitch stability Versatile usage for all Freeride foils
 BIONIC	G435792	Aspect HW Bionic Bionic R2R	Bionic	55 cm	Low drag Highest maneuverability


OVERVIEW

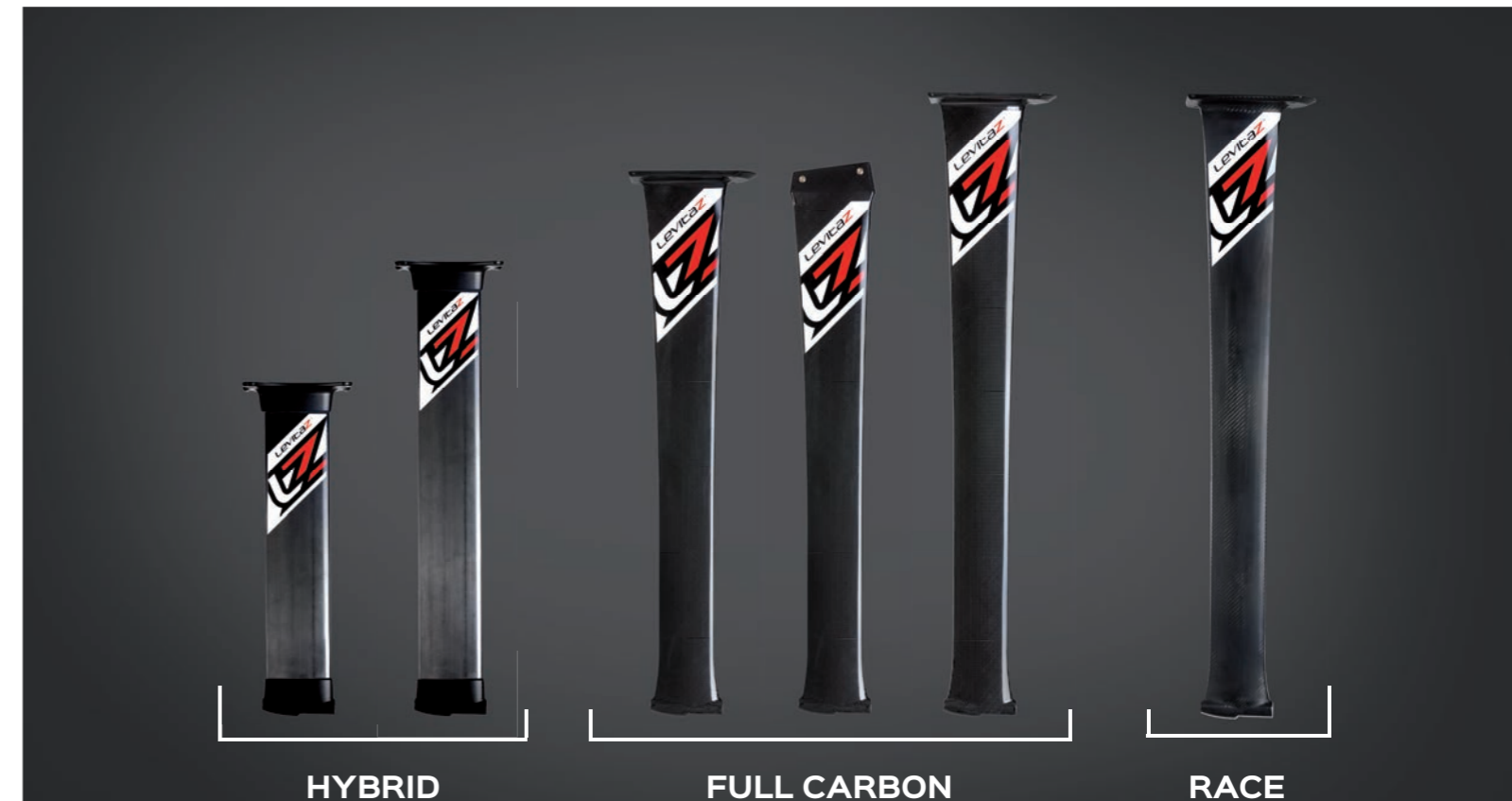
HYBRID FULL CARBON

RACE

MASTS

Product Name	SKU	Range of Application	Length	Technology	Interface
 HYBRID 60	G438269	Beginner Easy Foiling Freeride Freestyle	60 cm	Anodized aluminum RTM carbon fiber	4 screw plate 165 x 90 mm
 HYBRID 80	G438270	Beginner Easy Foiling Freeride Freestyle Wave	80 cm	Anodized aluminum RTM carbon fiber	4 screw plate 165 x 90 mm
 HYBRID CUSTOM	G438271	All conditions and levels	30-99 cm	Anodized aluminum RTM carbon fiber	4 screw plate 165 x 90 mm
 FULL CARBON 96 PLATE	G436225	Freeride Freestyle Freerace	96 cm	Full Carbon	4 screw plate 165 x 90 mm
 FULL CARBON 96 DEEP TUTTLE	G436665	Freeride Freestyle Freerace	96 cm	Full Carbon	Deep Tuttle
 FULL CARBON 110 PLATE	G436135	Freeride Freerace Race	110 cm	Full Carbon	4 screw plate 165 x 90 mm

Product Name	SKU	Range of Application	Length	Technology	Interface
 RACE PREPREG 110 PLATE	G437359	Race Competition	110 cm	Full Carbon Prepreg	4 screw plate 165 x 90 mm



HYBRID

FULL CARBON

RACE



FOILBOARDS

// BOARD TECHNOLOGY

Levitaz boards were completely redesigned as part of a quality initiative. Only the best materials were used: cores of XPS, which never absorbs water, as well as robust carbon reinforcements in critical areas, make LZ foil boards a trusted companion. The foil mount is connected using the reliable track system and two US-boxes, which combined with the five-position foot strap inserts offer endless adjustment options.

CORE //

XPS-EXTRUDED CLOSED CELL CORE

The heart of the board is the XPS core, which comprises a homogeneous, closed cellular structure. The advantages of this high value core material are obvious: the **highest pressure stability** and **moisture resistance** make the boards super strong and safe.

LIGHTWEIGHT CONSTRUCTION //

CARBON / GLASS / HD REINFORCEMENTS

All boards are built using **high value composite materials** to create a foil board that is both **solid and lightweight**. **Strong reinforcements** in particularly demanding spaces such as the standing and foil mount area are integrated. Depending on the load these consist of carbon, glass fiber and high density foams.

Stringers made of carbon and Paulownia wood provide more flexibility and less torsion at the same time.





GRIP //

EVA-PADS & ANTI-SLIP SURFACE

Specially designed anti-slip surfaces provide a durable, easy-to-grip surface.

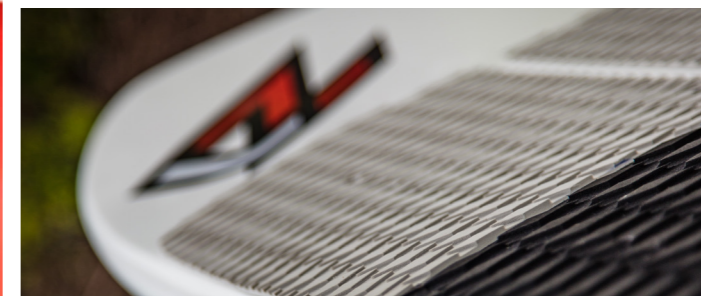
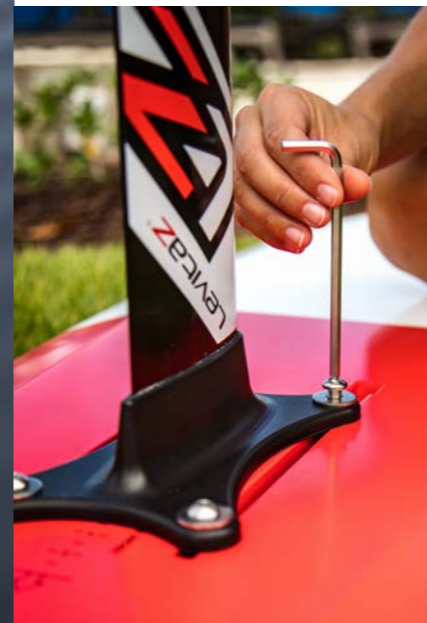
Our freeride boards come with EVA traction pads with soft diamond grip. To support strapless riders, we have added a kick tail that is perfectly matched to the foil setups.

For racing, we also developed a special anti-slip varnish, which provides the perfect grip at low weight.

FOIL MOUNT //

TRACK SYSTEM & INSERTS

All of our boards are compatible with the 4-bolt plate mount interface, which provides **optimum power transmission**. Multiple attachment points facilitate tuning using the sliding track system or two-position inserts. You can easily adjust your foil over a length of 260 mm to find your perfect personal setup.



THE MATCH

// When freeriding becomes a feeling

The Match – a true foil board with beveled edges and a slightly concave deck for optimal control. These characteristics appeal to beginners as well as amateur racers.

- User-friendly shape with beveled rails and concave deck
- 2 or 3-strap options for all foil riding styles and levels
- A board you can progress with and won't outgrow
- Lightweight carbon/glass fiber construction with strong reinforcements at the standing and foil mount areas
- Wide variety in terms of personal setup and fine-tuning options (sliding track system, 5-insert straps)
- Nose shape and S/R line optimized for soft touchdowns and early planning



Easy Ride

Freeride

Freerace



Freestyle

Strapless

Big Air

THE EXO

// The water is your playground

The new flat deck provides great control, especially when foiling strapless. The bottom shape has a slight scoop-rocker with a nose designed wider in order to ensure optimal planning and good touch-downs.

- Perfect for strapless foiling – full deck pad with tail kick for the best possible stance
- Lightweight carbon/glass fiber construction with strong reinforcements at the standing and foil mount areas
- 2 or 3-strap options for all foil riding styles
- Wide variety in terms of personal setup and fine-tuning options (sliding track system, 5-insert straps)
- Nose shape and S/R line optimized for soft touchdowns and early planning

THE RAZE

// Ultimate racing machine

The Raze is our “race car” in the portfolio and forms our connection to the pro circuit. The board, which was developed mainly for course race disciplines, provides professionals, as well as the ambitious amateur racer, with uncompromising performance.

- Lightweight carbon construction
- Wide variety in terms of personal setup and fine-tuning options (sliding track system, 5-insert straps)
- Beveled rails for aggressive leaning angles
- Nose shape and S/R line optimized for highest efficiency thanks to low air resistance and early planning ability
- Anti-slip varnish provides the perfect grip at low weight



Race

Course Race

Competition



Convertible

Foilboard

and Surfboard



THE TRANSFORMER

// Two-in-one solution

The Transformer is an agile and solid kite wave board with the option of mounting your foil. For this purpose eight thread inserts offer two mounting positions.

- Perfect for strapless wave kiting – with tail kick position at rear footpad for radical wave riding
- Rear foot strap options for all foil riding styles and levels
- Optimized foot strap options for every riding style (kitesurf/wavekite/foil)
- Turning speed vs. upwind performance: smooth running in high speed kiting
- Lightweight carbon/glass fiber construction with strong reinforcements at the standing area, fin boxes and foil mount area
- Wide variety in terms of personal setup and fine-tuning options (2 foil mount options, 5-insert straps)
- Nose shape and S/R line optimized for soft touchdowns (foiling) and radical surfing in steep and choppy wave conditions
- Thruster fin configuration and concave bottom shape are perfect for easy wave riding, full-speed escape from high waves or surfing down the line



OVERVIEW

BOARDS



MATCH

Easy Foil; Strapless; Freeride; Freerace

SKU	Core	Glassing	Reinforcements
G440017	XPS	3L Fiberglass	Fiberglass Patches Carbon stringer HD-Foam

Dimensions	Volume	Weight	Foilmount
142 x 44 x 5.6 cm	19 l	3.6 kg* (7.9 lbs)	Sliding track system



RAZE

Race; Course race; Competition

SKU	Core	Glassing	Reinforcements
G440027	XPS	3L Carbon	Carbon Patches Carbon stringer HD-Foam

Dimensions	Volume	Weight	Foilmount
145 x 44 x 7.5 cm	30 l	3.5 kg* (7.7 lbs)	Sliding track system



EXO

Strapless; Freeride; Freestyle

SKU	Core	Glassing	Reinforcements
G440016	XPS	2L Carbon 1L Fiberglass	Fiberglass Patches Carbon stringer HD-Foam

Dimensions	Volume	Weight	Foilmount
125 x 44 x 5.6 cm	18 l	3.5 kg* (7.7 lbs)	Sliding track system



TRANSFORMER

Kitewave; Strapless; Freeride

SKU	Core	Glassing	Reinforcements
G440018	XPS	3L Fiberglass	Fiberglass & Carbon Patches Carbon stringer HD-Foam

Dimensions	Volume	Weight	Foil/Fin mount
159 x 46 x 5.6 cm 5' 3" x 18 1/8" x 2 2/8"	27 l	3.9 kg* (8.6 lbs)	Two-position inserts +/- 4 cm Thruster fin setup

All Boards come ready to fly with straps and foil mount hardware.
*Approximate value, subject to small variations due to the custom manufacturing process.



ACCESSORIES

// BAGS & COVERS

All foils come ready to fly with the suitable covers and a travel bag. These accessories are especially tailored to meet foiler's requirements. The covers protect your foil – mounted as well as dismounted – in your travel bag.





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Photographer: Alex Schwarz
Videographer: Benjamin Geislinger

All riders pictured are professionals on a closed location. Do not attempt.

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FLY OVER WATER